

Physical Properties of the Soils

Pike County, Alabama

NOTE: Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
ArE:														
Arundel-----	0-6	---	---	2-12	1.40-1.70	1.98-5.95	0.06-0.12	0.0-2.9	0.5-1.0	.28	.28	3	---	---
	6-36	---	---	35-78	1.55-1.65	0.00-0.06	0.12-0.18	6.0-8.9	---	.32	.37			
	36-60	---	---	0-0	---	0.00-0.00	0.00-0.00	---	---	---	---			
Luverne-----	0-7	---	---	2-12	1.40-1.70	1.98-5.95	0.06-0.12	0.0-2.9	0.5-1.0	.15	.15	5	2	134
	7-20	---	---	35-50	1.25-1.55	0.20-0.57	0.12-0.18	3.0-5.9	---	.28	.28			
	20-40	---	---	20-40	1.35-1.65	0.20-0.57	0.12-0.18	0.0-2.9	---	.28	.28			
	40-65	---	---	10-35	1.35-1.65	0.20-0.57	0.05-0.10	0.0-2.9	---	.28	.28			
Troup-----	0-48	---	---	2-12	1.30-1.70	5.95-19.98	0.08-0.12	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	48-65	---	---	15-35	1.40-1.60	0.57-1.98	0.10-0.13	0.0-2.9	---	.20	.20			
BnB:														
Bonifay-----	0-50	---	---	6-12	1.50-1.60	5.95-19.98	0.05-0.10	0.0-2.9	0.5-3.0	.10	.10	5	2	134
	50-57	---	---	15-35	1.60-1.70	0.57-1.98	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
	57-80	---	---	20-45	1.60-1.70	0.20-0.57	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			
BoB:														
Bonneau-----	0-34	---	---	5-15	1.30-1.70	5.95-19.98	0.05-0.11	0.0-2.9	0.5-2.0	.10	.10	5	2	134
	34-42	---	---	13-35	1.40-1.60	0.57-1.98	0.10-0.15	0.0-2.9	0.0-0.5	.20	.20			
	42-60	---	---	15-40	1.40-1.60	0.57-1.98	0.10-0.16	0.0-2.9	0.0-0.5	.20	.20			
Eunola-----	0-6	---	---	3-11	1.45-1.70	1.98-5.95	0.06-0.11	0.0-2.9	0.5-2.0	.15	.15	5	2	134
	6-23	---	---	18-35	1.35-1.65	0.57-1.98	0.12-0.17	0.0-2.9	0.2-1.0	.28	.28			
	23-40	---	---	18-45	1.30-1.60	0.57-1.98	0.12-0.16	0.0-2.9	0.0-0.5	.32	.32			
	40-65	---	---	8-25	1.35-1.65	1.98-5.95	0.10-0.16	0.0-2.9	0.0-0.5	.24	.24			
CaA:														
Cahaba-----	0-8	---	---	7-17	1.35-1.60	1.98-5.95	0.10-0.14	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	8-43	---	---	18-35	1.35-1.60	0.57-1.98	0.12-0.20	0.0-2.9	---	.28	.28			
	43-65	---	---	4-20	1.40-1.70	1.98-19.98	0.05-0.10	0.0-2.9	---	.24	.24			
CmB:														
Compass-----	0-19	---	---	6-12	1.45-1.65	5.95-19.98	0.05-0.10	0.0-2.9	1.0-3.0	.15	.15	5	2	134
	19-39	---	---	10-18	1.40-1.60	1.98-5.95	0.10-0.15	0.0-2.9	---	.20	.20			
	39-65	---	---	15-35	1.55-1.75	0.57-1.98	0.10-0.15	0.0-2.9	---	.28	.28			

Physical Properties of the Soils, cont.

Pike County, Alabama

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
CnC2:														
Conecuh-----	0-2	---	---	7-25	1.40-1.60	0.57-1.98	0.10-0.15	0.0-2.9	0.5-2.0	.28	.28	5	3	86
	2-10	---	---	35-50	1.35-1.60	0.06-0.20	0.12-0.18	3.0-5.9	0.5-1.0	.32	.32			
	10-55	---	---	45-70	1.30-1.55	0.00-0.06	0.08-0.19	6.0-8.9	0.0-0.5	.32	.32			
	55-60	---	---	---	---	0.00-0.00	---	---	---	---	---			
CoC:														
Cowarts-----	0-9	---	---	5-20	1.30-1.65	1.98-5.95	0.08-0.13	0.0-2.9	1.0-3.0	.24	.24	4	3	86
	9-34	---	---	25-40	1.30-1.50	0.20-1.98	0.10-0.16	0.0-2.9	0.0-0.5	.28	.28			
	34-60	---	---	18-35	1.65-1.80	0.06-0.57	0.10-0.14	0.0-2.9	0.0-0.5	.24	.24			
CtE:														
Cowarts-----	0-6	---	---	3-10	1.25-1.60	5.95-19.98	0.04-0.08	0.0-2.9	0.5-2.0	.10	.15	4	2	134
	6-36	---	---	25-40	1.30-1.50	0.20-1.98	0.10-0.16	0.0-2.9	0.0-0.5	.28	.28			
	36-60	---	---	18-35	1.45-1.70	0.06-0.57	0.08-0.12	0.0-2.9	0.0-0.5	.24	.28			
Troup-----	0-51	---	---	2-12	1.30-1.70	5.95-19.98	0.08-0.12	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	51-70	---	---	15-35	1.40-1.60	0.57-1.98	0.10-0.13	0.0-2.9	---	.20	.20			
DoB:														
Dothan-----	0-6	---	---	10-18	1.30-1.70	1.98-5.95	0.08-0.13	0.0-2.9	0.5-1.0	.24	.24	5	3	86
	6-35	---	---	18-35	1.40-1.60	0.57-1.98	0.12-0.16	0.0-2.9	---	.28	.28			
	35-60	---	---	18-40	1.45-1.70	0.20-0.57	0.08-0.12	0.0-2.9	---	.28	.28			
EuA:														
Eunola-----	0-12	---	---	3-11	1.45-1.70	1.98-5.95	0.06-0.11	0.0-2.9	0.5-2.0	.15	.15	5	2	134
	12-36	---	---	18-35	1.35-1.65	0.57-1.98	0.12-0.17	0.0-2.9	0.2-1.0	.28	.28			
	36-50	---	---	18-45	1.30-1.60	0.57-1.98	0.12-0.16	0.0-2.9	0.0-0.5	.32	.32			
	50-65	---	---	2-11	1.45-1.75	5.95-19.98	0.02-0.06	0.0-2.9	0.0-0.5	.20	.20			
FaB:														
Fuquay-----	0-29	---	---	2-10	1.60-1.70	5.95-19.98	0.04-0.09	0.0-2.9	0.5-2.0	.10	.10	5	2	134
	29-36	---	---	10-35	1.40-1.60	0.57-1.98	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
	36-65	---	---	20-35	1.40-1.60	0.06-0.20	0.10-0.13	0.0-2.9	0.0-0.5	.20	.20			
FtC:														
Fuquay-----	0-36	---	---	2-10	1.60-1.70	5.95-19.98	0.04-0.09	0.0-2.9	0.5-2.0	.10	.10	5	2	134
	36-46	---	---	10-35	1.40-1.60	0.57-1.98	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
	46-65	---	---	20-35	1.40-1.60	0.06-0.20	0.10-0.13	0.0-2.9	0.0-0.5	.20	.20			
Bonifay-----	0-42	---	---	6-12	1.50-1.60	5.95-19.98	0.05-0.10	0.0-2.9	0.5-3.0	.10	.10	5	2	134
	42-65	---	---	15-35	1.60-1.70	0.57-1.98	0.10-0.15	0.0-2.9	0.0-0.5	.24	.24			

Physical Properties of the Soils, cont.

Pike County, Alabama

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
FuC:														
Fuquay-----	0-29	---	---	2-10	1.60-1.70	5.95-19.98	0.04-0.09	0.0-2.9	0.5-2.0	.15	.15	5	2	134
	29-36	---	---	10-35	1.40-1.60	0.57-1.98	0.12-0.15	0.0-2.9	0.0-0.5	.20	.20			
	36-65	---	---	20-35	1.40-1.60	0.06-0.20	0.10-0.13	0.0-2.9	0.0-0.5	.20	.20			
Urban Land-----	0-6	---	---	---	---	0.00-0.00	0.00-0.00	---	---	---	---	-	---	---
GrB2:														
Greenville-----	0-7	---	---	15-30	1.30-1.65	0.57-1.98	0.12-0.18	0.0-2.9	1.0-3.0	.24	.24	5	6	48
	7-72	---	---	35-55	1.35-1.55	0.57-1.98	0.14-0.18	0.0-2.9	0.0-0.5	.17	.17			
LcB:														
Lucy-----	0-28	---	---	1-12	1.30-1.70	5.95-19.98	0.08-0.12	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	28-35	---	---	10-30	1.40-1.60	1.98-5.95	0.10-0.12	0.0-2.9	---	.24	.24			
	35-75	---	---	20-45	1.40-1.60	0.57-1.98	0.12-0.14	0.0-2.9	---	.28	.28			
LcC:														
Lucy-----	0-24	---	---	1-12	1.30-1.70	5.95-19.98	0.08-0.12	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	24-31	---	---	10-30	1.40-1.60	1.98-5.95	0.10-0.12	0.0-2.9	---	.24	.24			
	31-65	---	---	20-45	1.40-1.60	0.57-1.98	0.12-0.14	0.0-2.9	---	.28	.28			
LdC:														
Lucy-----	0-24	---	---	1-12	1.30-1.70	5.95-19.98	0.08-0.12	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	24-31	---	---	10-30	1.40-1.60	1.98-5.95	0.10-0.12	0.0-2.9	---	.24	.24			
	31-65	---	---	20-45	1.40-1.60	0.57-1.98	0.12-0.14	0.0-2.9	---	.28	.28			
Urban Land-----	0-6	---	---	---	---	0.00-0.00	0.00-0.00	---	---	---	---	-	---	---
LeE:														
Luverne-----	0-6	---	---	7-20	1.35-1.65	1.98-5.95	0.11-0.15	0.0-2.9	0.5-1.0	.24	.24	5	3	86
	6-28	---	---	35-50	1.25-1.55	0.20-0.57	0.12-0.18	3.0-5.9	---	.28	.28			
	28-36	---	---	20-40	1.35-1.65	0.20-0.57	0.12-0.18	0.0-2.9	---	.28	.28			
	36-60	---	---	10-35	1.35-1.65	0.20-0.57	0.05-0.10	0.0-2.9	---	.28	.28			
LnC2:														
Luverne-----	0-8	---	---	20-35	1.35-1.65	0.20-0.57	0.12-0.16	0.0-2.9	0.0-0.5	.28	.28	5	5	56
	8-31	---	---	35-50	1.25-1.55	0.20-0.57	0.12-0.18	3.0-5.9	---	.28	.28			
	31-53	---	---	20-40	1.35-1.65	0.20-0.57	0.12-0.18	0.0-2.9	---	.28	.28			
	53-65	---	---	10-35	1.35-1.65	0.20-0.57	0.05-0.10	0.0-2.9	---	.28	.28			

Physical Properties of the Soils, cont.

Pike County, Alabama

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
LrC:														
Luverne-----	0-4	---	---	2-12	1.40-1.70	1.98-5.95	0.06-0.12	0.0-2.9	0.5-1.0	.15	.15	5	2	134
	4-36	---	---	35-50	1.25-1.55	0.20-0.57	0.12-0.18	3.0-5.9	---	.28	.28			
	36-60	---	---	10-35	1.35-1.65	0.20-0.57	0.05-0.10	0.0-2.9	---	.28	.28			
Arundel-----	0-9	---	---	7-20	1.35-1.65	0.57-1.98	0.11-0.15	0.0-2.9	0.5-1.0	.28	.28	3	---	---
	9-29	---	---	35-78	1.55-1.65	0.00-0.06	0.12-0.18	6.0-8.9	---	.32	.37			
	29-60	---	---	0-0	---	0.00-0.00	0.00-0.00	---	---	---	---			
LsE:														
Luverne-----	0-6	---	---	7-20	1.35-1.65	1.98-5.95	0.11-0.15	0.0-2.9	0.5-1.0	.24	.24	5	3	86
	6-28	---	---	35-50	1.25-1.55	0.20-0.57	0.12-0.18	3.0-5.9	---	.28	.28			
	28-36	---	---	20-40	1.35-1.65	0.20-0.57	0.12-0.18	0.0-2.9	---	.28	.28			
	36-60	---	---	10-35	1.35-1.65	0.20-0.57	0.05-0.10	0.0-2.9	---	.28	.28			
Springhill-----	0-5	---	---	7-15	1.30-1.50	1.98-5.95	0.09-0.12	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	5-11	---	---	7-18	1.30-1.50	1.98-5.95	0.07-0.12	0.0-2.9	---	.20	.20			
	11-45	---	---	18-35	1.40-1.60	0.57-1.98	0.11-0.14	0.0-2.9	---	.24	.24			
	45-65	---	---	5-25	1.40-1.65	1.98-5.95	0.07-0.12	0.0-2.9	---	.20	.20			
MAA:														
Mantachie-----	0-4	---	---	8-20	1.50-1.60	0.57-1.98	0.16-0.20	0.0-2.9	1.0-3.0	.28	.28	5	---	---
	4-65	---	---	18-34	1.50-1.60	0.57-1.98	0.14-0.20	0.0-2.9	---	.28	.28			
Kinston-----	0-5	---	---	5-18	1.40-1.60	1.98-5.95	0.13-0.19	0.0-2.9	2.0-5.0	.24	.24	5	3	86
	5-65	---	---	18-35	1.30-1.50	0.57-1.98	0.14-0.18	0.0-2.9	0.0-3.0	.32	.32			
Iuka-----	0-4	---	---	6-15	---	0.57-1.98	0.15-0.20	0.0-2.9	0.5-2.0	.37	.37	5	6	48
	4-32	---	---	8-18	---	0.57-1.98	0.10-0.20	0.0-2.9	---	.28	.28			
	32-65	---	---	5-15	---	0.57-1.98	0.10-0.20	0.0-2.9	---	.20	.20			
NaE:														
Nankin-----	0-10	---	---	5-12	1.45-1.65	1.98-5.95	0.03-0.08	0.0-2.9	0.5-1.0	.10	.17	3	2	134
	10-40	---	---	35-50	1.30-1.70	0.20-0.57	0.11-0.16	0.0-2.9	---	.24	.24			
	40-65	---	---	15-35	1.60-1.70	0.57-1.98	0.10-0.15	0.0-2.9	---	.24	.24			
NeC2:														
Nankin-----	0-7	---	---	20-30	1.45-1.60	0.57-1.98	0.10-0.13	0.0-2.9	---	.32	.32	4	5	56
	7-51	---	---	35-50	1.30-1.70	0.20-0.57	0.11-0.16	0.0-2.9	---	.24	.24			
	51-65	---	---	15-35	1.60-1.70	0.57-1.98	0.10-0.15	0.0-2.9	---	.24	.24			
Greenville-----	0-8	---	---	15-30	1.30-1.65	0.57-1.98	0.12-0.18	0.0-2.9	1.0-3.0	.24	.24	5	6	48
	8-60	---	---	35-55	1.35-1.55	0.57-1.98	0.14-0.18	0.0-2.9	0.0-0.5	.17	.17			

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Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
OkC2:														
Oktribbeha-----	0-8	---	---	40-60	1.10-1.40	0.00-0.06	0.12-0.16	6.0-8.9	2.0-7.0	.32	.32	5	---	---
	8-33	---	---	60-80	1.00-1.30	0.00-0.06	0.12-0.16	9.0-25.0	0.5-2.0	.32	.32			
	33-60	---	---	60-80	1.00-1.30	0.00-0.06	0.12-0.16	9.0-25.0	0.1-1.0	.32	.32			
OrB:														
Orangeburg-----	0-8	---	---	4-10	1.35-1.55	1.98-5.95	0.06-0.09	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	8-13	---	---	7-18	1.50-1.65	1.98-5.95	0.09-0.12	0.0-2.9	---	.20	.20			
	13-65	---	---	18-35	1.60-1.75	0.57-1.98	0.11-0.14	0.0-2.9	---	.24	.24			
Pt:														
Pits-----	0-60	---	---	---	---	0.00-0.00	0.00-0.00	---	---	---	---	-	8	0
SpC2:														
Springhill-----	0-5	---	---	7-15	1.30-1.50	1.98-5.95	0.09-0.12	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	5-11	---	---	7-18	1.30-1.50	1.98-5.95	0.07-0.12	0.0-2.9	---	.20	.20			
	11-45	---	---	18-35	1.40-1.60	0.57-1.98	0.11-0.14	0.0-2.9	---	.24	.24			
	45-65	---	---	5-25	1.40-1.65	1.98-5.95	0.07-0.12	0.0-2.9	---	.20	.20			
SuC:														
Springhill-----	0-5	---	---	7-15	1.30-1.50	1.98-5.95	0.09-0.12	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	5-11	---	---	7-18	1.30-1.50	1.98-5.95	0.07-0.12	0.0-2.9	---	.20	.20			
	11-45	---	---	18-35	1.40-1.60	0.57-1.98	0.11-0.14	0.0-2.9	---	.24	.24			
	45-65	---	---	5-25	1.40-1.65	1.98-5.95	0.07-0.12	0.0-2.9	---	.20	.20			
Urban Land-----	0-6	---	---	---	---	0.00-0.00	0.00-0.00	---	---	---	---	-	---	---
TaE:														
Troup-----	0-47	---	---	2-12	1.30-1.70	5.95-19.98	0.08-0.12	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	47-65	---	---	15-35	1.40-1.60	0.57-1.98	0.10-0.13	0.0-2.9	---	.20	.20			
TgC:														
Troup-----	0-68	---	---	2-12	1.30-1.70	5.95-19.98	0.08-0.12	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	68-80	---	---	15-35	1.40-1.60	0.57-1.98	0.10-0.13	0.0-2.9	---	.20	.20			
Alaga-----	0-6	---	---	2-12	1.60-1.75	5.95-19.98	0.05-0.09	0.0-2.9	0.5-3.0	.10	.10	5	2	134
	6-90	---	---	2-12	1.60-1.75	5.95-19.98	0.05-0.09	0.0-2.9	0.0-0.5	.10	.10			
TvE:														
Troup-----	0-48	---	---	2-12	1.30-1.70	5.95-19.98	0.08-0.12	0.0-2.9	0.5-1.0	.10	.10	5	2	134
	48-65	---	---	15-35	1.40-1.60	0.57-1.98	0.10-0.13	0.0-2.9	---	.20	.20			
Luverne-----	0-7	---	---	7-20	1.35-1.65	1.98-5.95	0.11-0.15	0.0-2.9	0.5-1.0	.24	.24	5	3	86
	7-24	---	---	35-50	1.25-1.55	0.20-0.57	0.12-0.18	3.0-5.9	---	.28	.28			
	24-31	---	---	20-40	1.35-1.65	0.20-0.57	0.12-0.18	0.0-2.9	---	.28	.28			
	31-65	---	---	10-35	1.35-1.65	0.20-0.57	0.05-0.10	0.0-2.9	---	.28	.28			

Physical Properties of the Soils, cont.

Pike County, Alabama

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind	Wind
										Kw	Kf	T	erodi- bility group	erodi- bility index
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
UdB: Udorthents-----	0-80	---	---	---	---	0.57-1.98	0.00-0.00	0.0-2.9	0.0-0.5	---	---	5	---	---
UdE: Udorthents-----	0-80	---	---	---	---	0.57-1.98	0.00-0.00	0.0-2.9	0.0-0.5	---	---	5	---	---
Un: Urban Land-----	0-6	---	---	---	---	0.00-0.00	0.00-0.00	---	---	---	---	-	---	---